

vega
DENT

vegaDENT

Zirconia System

www.myvegadent.com

HIGH STRENGTH & HIGH AESTHETICS
YOU GOT BOTH!

CATALOGUE

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WHO WE ARE

About vegaDENT

vegaDENT was founded in 2019 in Hunan Province, middle China. But before that, as a professional manufacturer of dental CAD/CAM materials and tools, we have been working in China's dental materials industry for nearly ten years. Rising sales and production capacity are a testament to the fact that people love our products and they love vegaDENT. If you are also looking for great quality dental zirconia products, PMMA, Titanium blocks, Cobalt Chrome blocks, milling burs(for zirconia, metal, PMMA, lithium disilicate, wax, etc.), and other materials or tools needed in the laboratory, contact us now.

The NEXT-DAY DELIVERY service allows you to receive your orders in any corner of the world, whether to large cities, or remote towns. Through our international services, vegaDENT offers the guarantee of speed, safety, reliability and professionalism that you need.



BE OUR CUSTOMERS

BE OUR FRIENDS

BE OUR PARTNERS

ZIRCONIA FAMILY



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Zirconia System

		Flexural Strength After Sintering (MPa)	Light Transmittance (1mm)	Sintering Temperature (°C)
3D Pro ML	Multilayer	800 - 1,200	42% - 49%	1500
ST ML	Multilayer	1,100	42%	1530
SHT ML	Multilayer	900	45%	1530
ST Color	Pre-colored	1,100	42%	1530
SHT Color	Pre-colored	900	45%	1530
ST	White	1,200	43%	1530
SHT	White	1,000	46%	1530

vegaDENT 04

WELCOME TO vegaDENT

We Know What are Crucial to Your Dental Lab

- For All Your CAD/CAM Needs

PRODUCT INTRODUCTION

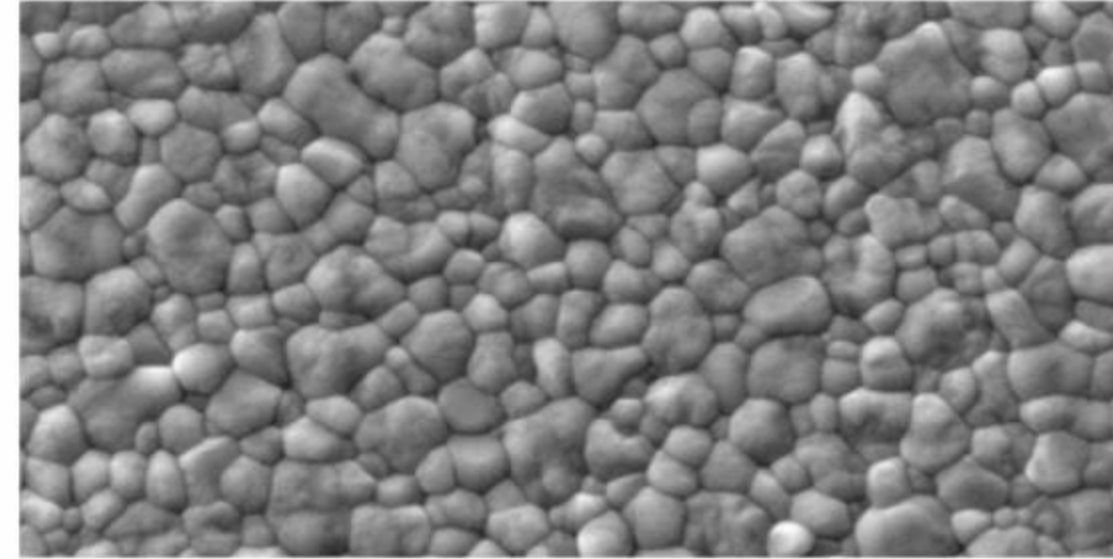
3D Pro ML Zirconia

High Strength, high aesthetics, now you got both!

The vegaDENT 3D Pro ML zirconia blocks are made from high quality Sinocera® powder, one of the best raw material in China zirconia manufacturing industry. It makes high strength and high aesthetics can be realized on one same zirconia block. Benefited from the stable tetragonal microstructure 3Y TZP, 3D Pro ML cervical part has an unbelievable high strength of up to 1,200 MPa. And the stable cubic microstructure 5Y TZP makes the incisal part beautiful and natural with high translucency of 49%. Now, you don't need to compromise in either strength or translucency, you can get both!

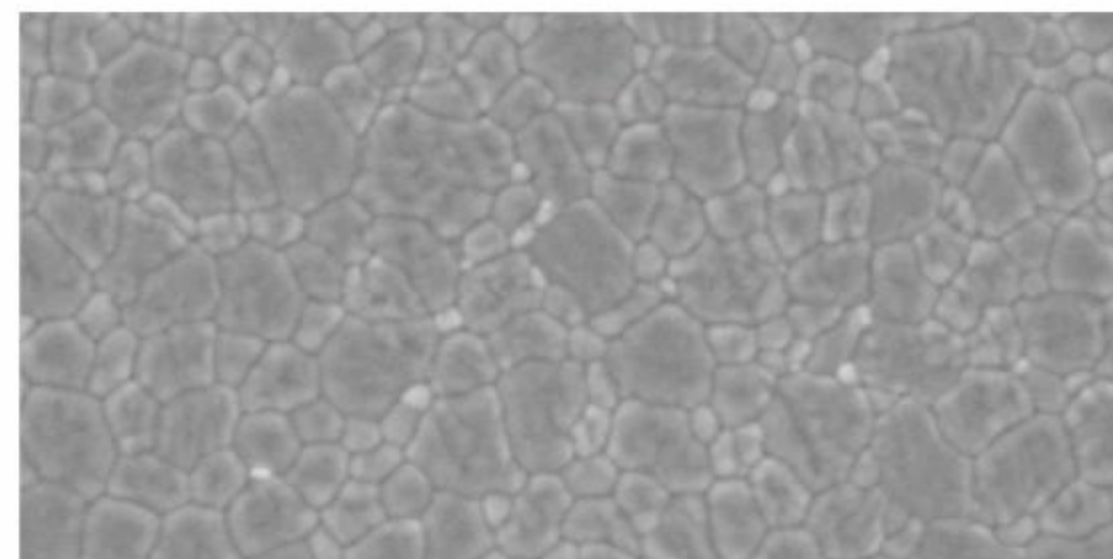


3Y-TZP Zirconia



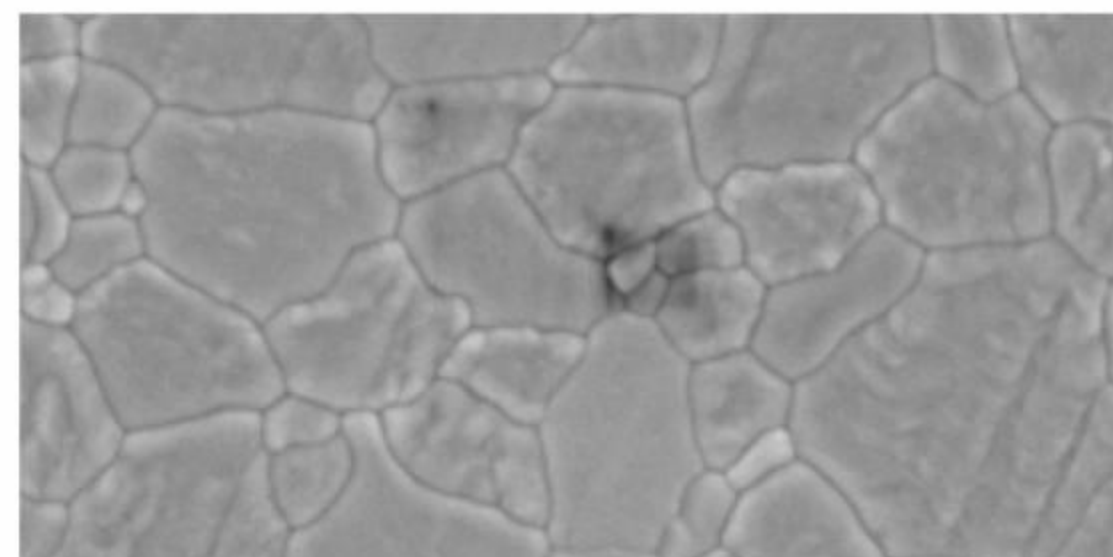
4.5 - 6.0 wt percent Y2O3
 ~100 percent Tetragonal phase
 0 percent Cubic phase
HIGHEST Mechanical Properties (~1,200 MPa)
LOWEST Translucency

4Y-TZP Zirconia



6.0 - 8.0 wt percent Y2O3
 ~75 percent Tetragonal phase
 ~25 percent Cubic phase
HIGH Mechanical Properties (~850 MPa)
HIGHER Translucency

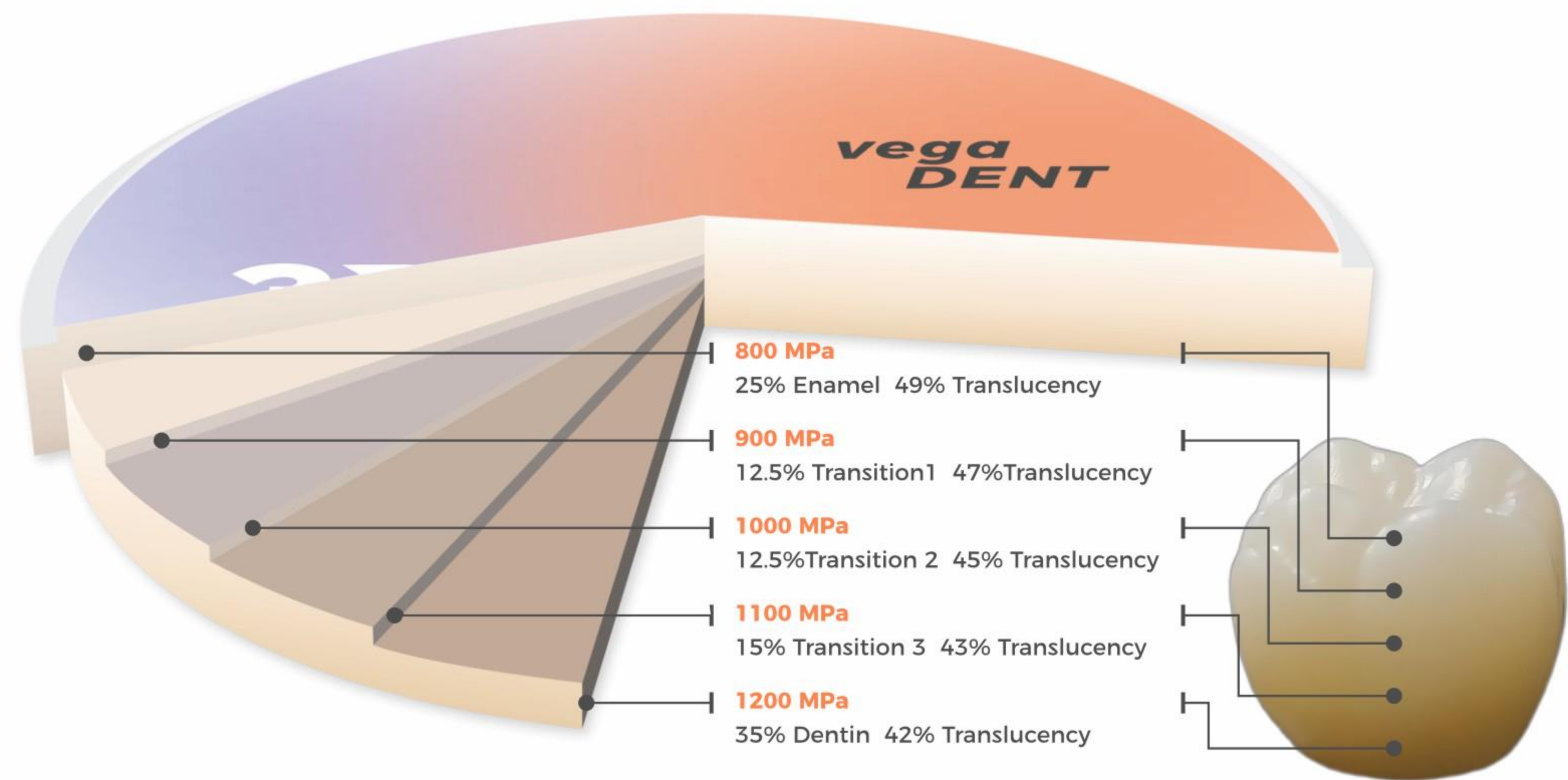
5Y-TZP Zirconia



9.05 - 10.0 wt percent Y2O3
 ~50 percent Tetragonal phase
 ~50 percent Cubic phase
LOWEST Mechanical Properties (~650 MPa)
HIGHEST Translucency

Zirconia Powder Advantage

Top-level raw materials enable 3D Pro zirconia products to combine high translucency (up to 49%) and high strength (up to 1200 MPa), providing efficient and precise performance without loss of aesthetics!



Tetragonal phase helps with fracture toughness and strength while The cubic phase helps with translucency .

- DEO MAGAZINE, Author Shashikant Singh, B.D.S., M.S.

PRODUCT INTRODUCTION

MULTILAYER

Product Feature Highlights

Safe, nontoxic and bio-compatible
 Functional and Esthetic, BOTH in one
 5 layers of powder with 9 gradients
 Making dental restoration no longer complicated

3D Pro ML

- **SIZE**
98mm, 95mm, 92*75mm
- **TRANSLUCENCY**
42% - 49%
- **STRENGTH**
800 MPa - 1200 MPa
- **HEIGHT**
10mm, 12mm, 14mm, 16mm,
18mm, 20mm, 22mm, 25mm



Top-quality raw materials
 Excellent anti-aging properties
 Super natural gradient effect
 VITA 16 shades and 4 Bleach shades
 Particularly ideal for anterior crown restoration

• Colors VITA® 16 + 4 Bleach shades

A1, A2, A3, A3.5, A4 / B1, B2, B3, B4 / C1, C2, C3, C4 / D2, D3, D4 / B11, BL2, BL3, B14



• Application

Inlay & Onlay	Coping	Anterior Crown	Posterior Crown	Abutment	Implant crowns & bridges
✓	✓	✓	✓	✓	✓
Bridge ≤ 3 units	Bridge ≥ 4 units	Coping ≤ 3 units	Coping ≥ 4 units	Full-arch bridges	
✓	✓	✓	✓	✓	

ST ML

- **SIZE**
98mm, 95mm, 92*75mm
- **TRANSLUCENCY**
42%
- **STRENGTH**
1100 MPa
- **HEIGHT**
10mm, 12mm, 14mm, 16mm,
18mm, 20mm, 22mm, 25mm



All the VITA® 16 shades available
Ideal restoration material for posterior crowns and bridges
Perfect balance of strength(1,100 MPa) and translucency

- **COLOR**
A1, A2, A3, A3.5, A4 / B1, B2, B3, B4 / C1, C2, C3, C4 / D2, D3, D4

- **Application**

Inlay & Onlay	Coping	Posterior Crown	Implant crowns & bridges
✓	✓	✓	✓
Bridge ≤ 3 units	Bridge ≥ 4 units	Full-arch bridges	
✓	✓	✓	

SHT ML

- **SIZE**
98mm, 95mm, 92*75mm
- **TRANSLUCENCY**
45%
- **STRENGTH**
900 MPa
- **HEIGHT**
10mm, 12mm, 14mm, 16mm,
18mm, 20mm, 22mm, 25mm



Better aesthetics with better translucency(45%) than ST ML zirconia
Seven layers of natural shade gradient

- **COLOR**
A1, A2, A3 / B1, B2 / BI1, BL2, BL3, BI4

- **Application**

Inlay & Onlay	Coping	Anterior Crown	Bridge ≤ 3 units
✓	✓	✓	✓

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ST Color






- **SIZE**
98mm, 95mm, 92*75mm
- **TRANSLUCENCY**
42%
- **STRENGTH**
1100 MPa
- **HEIGHT**
10mm, 12mm, 14mm, 16mm,
18mm, 20mm, 22mm, 25mm



All the VITA® 16 shades available
Preferred and most common pre-shaded material for posterior restoration

PRESHADED

- **COLOR**
A1, A2, A3, A3.5, A4 / B1, B2, B3, B4 / C1, C2, C3, C4 / D2, D3, D4
- **Application**

Inlay & Onlay	Coping	Posterior Crown	Implant crowns & bridges	Bridge ≤ 3 units
✓	✓	✓	✓	✓
				





SHT Color

- **SIZE**
98mm, 95mm, 92*75mm
- **TRANSLUCENCY**
45%
- **STRENGTH**
900 MPa
- **HEIGHT**
10mm, 12mm, 14mm, 16mm,
18mm, 20mm, 22mm, 25mm



Better aesthetics with better translucency(45%) than ST Color zirconia

- **COLOR**
A1, A2, A3 / B1, B2
- **Application**

Inlay & Onlay	Coping	Anterior Crown	Bridge ≤ 3 units
✓	✓	✓	✓
			

ST

- **SIZE**
98mm, 95mm, 92*75mm
- **TRANSLUCENCY**
43%
- **STRENGTH**
1200 MPa
- **HEIGHT**
10mm, 12mm, 14mm, 16mm,
18mm, 20mm, 22mm, 25mm



Great white zirconia material for crowns & bridges
Excellent anti-aging properties
The most chosen white zirconia blocks
vegaDENT VITA® 16 shades and VITA® 26 shades Liquid Color optional

WHITE

• Application

Inlay & Onlay	Coping	Posterior Crown	Implant crowns & bridges
✓	✓	✓	✓
Bridge ≤ 3 units	Bridge ≥ 4 units	Full-arch bridges	
✓	✓	✓	

SHT

- **SIZE**
98mm, 95mm, 92*75mm
- **TRANSLUCENCY**
46%
- **STRENGTH**
1000 MPa
- **HEIGHT**
10mm, 12mm, 14mm, 16mm,
18mm, 20mm, 22mm, 25mm



Good white zirconia consideration for higher translucency crowns & bridges
Better translucency at 46%

• Application

Inlay & Onlay	Coping	Anterior Crown	Bridge ≤ 3 units
✓	✓	✓	✓

OTHER CONSUMABLES



PMMA



WAX



PEEK



Milling Burs



Titanium



Cobalt Chrome

Other CAD CAM Materials and Tools

vegaDENT provides ONE-STOP CAD CAM solutions for dental laboratories. Fast delivery and quality guaranteed. If you also need other dental consumables, contact our sales representatives for more details.